In the Matter of:)	Before the Federal Communications Commission Washington DC 20554 MB Docket No. 04-233
in the practice of designing and improvi- engineering and managing broadcast sta	Comments of Edward A. Schober the State of New Jersey, and the Commonwealth of Pennsylvania who has specialized ng broadcast stations for the past twenty five years, and have been involved in tions for the past forty years. I am the licensee of FM translator W250AK, and am the A and for additional FM translator stations in New Jersey, Pennsylvania and New
Telecommunications Act in ways that has Consolidation of ownership has substituting the communities that the stations service.	Statement I have seen the nature of broadcasting change since the passage of the ave been very negative to localism, and in access to the means of expression. Ited ownership by large national entities for ownership by people who live and traded e. The decisions concerning local content are made by employees of national entities, ocial and economic life of the individual markets served by the broadcast stations they
less interest in the local markets of the s communications in these same markets, of means of expression establish a mon- for-all Internet is coming under control of such as MSN, MSNBC, AOL and Yaho	ment power of broadcasting is held by fewer and fewer individuals who have less and tations they own. These same large broadcasters also control many other outlets of such as performance venues, billboards, magazines, etc. This concentration of control opolistic access to advertising, music, comedy and political expression. Even the free-of these entities by the policies of major media companies through gateway portals of the re-regulate media ownership to limit these monopolistic controls over access to the
delivery mechanisms of expression, the media companies now have adequate po gateways for political players to access t I do not believe that attempts by the Cor	present state of affairs will defeat the Commission's efforts. This is because the litical power to protect their monopolies. This is because they already hold the
providing broadcast service to all areas on numbers of broadcast signals for alerting communities to provide "transmission so	I Section 307(b) of the Communications Act primarily through two mechanisms: The of the United States, primarily to assure that rural areas are covered with adequate g, public safety and basic information needs; and Assignment of stations to principal ervices" to those communities. Under present regulations, the licensee of a station has es other than its principal community. This is counterproductive, since it by nature
community, while a single licensee with responsibility among the co-owned static. I propose that the Commission consider. 1) Geography – Communities do not comports, and islands as well. In many and	an alternative, multidimensional way of looking at providing "local service". nsist only of municipalities, but sections of town, ghettos, counties, parishes, valleys, reas, the municipality is not the major focus of the community. Some municipalities
etc. These specialties are sometimes within the presently defined "Principal"3) Market Area – Defined not by an income.	zz, classical and other genre aficionados, ethnic culture, political discourse, comedy, dispersed throughout the entire service area of the station, with few users actually al Community". lividual municipality, but by the economic characteristics of an area. These market Census Bureau and by Arbitron. The economic life of a station is often dependent
service area of the station. It seems to area from which that resource is derive. B) Consolidation The concentration of ownership of broad over the cultural life of America. An experience of the station of the station of the station of the station.	The resource consumed by a broadcasting station is the frequency allocation of the me logical that when a public resource is consumed in the public interest, that the red should be eligible for specific benefit. Cleast facilities, performance venues and other media have caused a monopoly power ample of this monopoly power is in the field of music. If it were not for the free for
heard in America without a contract with The efforts of the RIAA and large media the portals to the Internet are being acquired. The result of the frustrations found by an	rcial educational radio, it would probably be impossible for a recording artist to be a major media company. In interests are likely to severely restrict Internet access for musicians in the future, as ired by these same large media interests. It is and publicists has caused many problems, such as pirate radio stations and mpts to outflank the large media interests efforts to control and optimize profits at the
C) Community Responsive Programm The FCC requires broadcasting stations between the station's principal communian area of over 30,000 sq. km, and in material communications are stationary to the station of the stati	to broadcast community responsive programming. There is often a severe disjoint ty and the service area of the station. A class C FM radio station, for example serves by be licensed to a community of only 10 sq. km. It is folly to expect there to be
In my opinion, community responsivene Programming can be ABOUT the comm news or features on members of the com Programming can be developed WITHII	nunities in the service area of a station. Such as documentaries on the community, local
area of the station. Programming can FOSTERS COMMERTHIS would be local advertising for busing the station.	ervice area, such as weather and traffic information for locations within the service RCE in the area, educating and informing the public about opportunities for business. nesses with facilities within the service area of the station. ETY, such as emergency information, Amber alerts, and hazard and attack warnings.
D) Political Programming Unfortunately political discourse in the opinion is that no broadcast less than on decision. Any broadcast less than five n	United States has become an Air War, and not a reasoned debate. My personal e minute in length can provide any useful information to help make a rational political ninutes is unlikely to be of significant value. paid political advertising be responsible to broadcasting program length debates (live
or produced) at no charge equal to 25% E) Payola and Sponsorship Identification may be impossible placement. This product placement is not remove product or image placement in the second control of	of the aggregate amount of sold time for that race. tion, Voice Tracking and National Play lists. e in the future. Movies, a staple for TV broadcast are now rife with paid "product ot readily in the control of the broadcaster. Copyright rules make it impossible to
broadcaster. Media conglomerates have a commercia which it has an economic interest at the venue in a community will play music fi which do not. Announcement of such ir I see no particular evil in voice tracking,	l interest in the music presented on their stations and are free to promote the acts for expense of other acts. For example, a broadcaster who owns the major performance rom acts which are scheduled for performance at that venue to the exclusion of acts
F) LPFM The institution of LPFM service has implocated in areas with low population, and	Additional Spectrum Allocation broved localism to a small degree. Unfortunately most LPFM stations have been d as such have not helped very much with providing alternative voices in large brity and special interest programming that would serve embedded communities within
One additional limitation on LPFM statisthe essential noncommercial nature of L programming cannot be re-used in other the programming on a single LPFM statistic recommend that the FCC permit commend and transmitted only by the LF	ons is the proscription on advertising on LPFM stations. I am not suggesting changing PFM stations. High quality programming is expensive to produce. Local markets, so the total costs of production must be recovered from the transmission of ion. There is a suggesting and immediately adjacent to programs which are locally PFM station. This will encourage and make financially viable more extensive local
or recorded within the service area of the if it relates only to the the service area of though the program may have been reco should not be included in percentage of Advertisements within and adjacent to least the control of the c	ming be defined as programming material where 80% of the program is produced live e LPFM station. Additionally other programming could be deemed locally produced f the LPFM station. Weather or traffic reporting, would meet this requirement, even rded elsewhere. Prerecorded music recorded outside the service area of the station time calculated as local. Cocally produced programs should also be permitted for Noncommercial Educational
There also is some advantage in conversion stations when the ownership requirement transmitter power limit, and could readily. The 10 Watt class D noncommercial education in the state of	acational FM stations might all be converted to LP-10 stations to eliminate the
its County or Parish, and not its Arbitron translators located anywhere within the radius.	station often cannot cover the entire municipality to which it is licensed, certainly not a or MSA. LP-100 and LP-10 stations should be permitted to be translated on FM same county, parish, MSA or Arbitron Market, and perhaps anywhere within a 50 km
full service station does not provide adealocal content. In its quest for localisms are translated of service area. An excellent example we would provide an important local program.	grelatively distant signals of full service FM stations to areas where the signal of the quate service. The FM translators as now authorized provide no opportunity to add in broadcasting, FM translators could serve that need. ften include program components which do not particularly relate to the translator ruld be traffic and weather reports for the primary station's service area; Translators are feature by substituting traffic and weather reports for the translator service area for
There is a substantial public interest reast the service area of the translator, and reparea, and not that of the translator's service. Examples of additional substitutions: L	son for translator stations to substitute programming as long as it is specifically local to blaces similar programming on the full service station that relates to its own service
the substitute programming on command from within the service area of the transformation. J) LONG DISTANCE FM TRANSLA	
many states away. "National" service of Internet streaming. I see no public interest I recommend that no new long distance be considered as tertiary services, that meeting the distance or local service req LPFM stations may be replaced by full schanging primary stations or, for examp	currently provide no local programming, as the full service primary stations may be at this type is better accomplished by true satellite radio, such as XM and Sirius or by the strain furthering long distance FM translators. FM translators be authorized. I also propose that translators with long distance feeds may be replaced with LPFM or FM translators proposing to relay primary stations uirements. Long distance translators would be "bumped", just as normal FM and the ervice stations. Translators whose primary stations become distant stations, either by the primary station no longer providing foreign language programming, would
long distance translators as those not me In the context of localism, there should be see situations that clearly should be perm	of providing this type of service than tying up FM spectrum for this purpose. I refer to eting the distance or affinity requirements proposed below. De some relationship between the translator and the primary station. It is fairly easy to missible: Intropose and the primary station. It is fairly easy to missible:
 principal community. I propose 120 3) Within the 30 dbuV F(50,50) contou There are also cases where exceptionally 1) Where the primary station is owned by institution. 	fic distance of the primary station's transmitter site or reference coordinates of its km as a reasonable distance. ¹ r of the primary station. Value large distances between the primary station and the translator may be appropriate: by an educational institution and the translator serves another campus of the same
 language not broadcast locally. Where the translator is located in a coaprimary resort area associated with Where the primary station is owned be denomination is located. Where the translator is in the same st 	mary station that broadcasts a substantial amount of programming in a foreign ommunity with strong economic ties to the service area of the primary station, such as
transient, such as a translator with foreign station begins operating in the translator criterion are not met, the translator becomes. K) ALTERNATE FEED FOR FM TI FM translators that operate in the non-re-	served band that are not "fill in" translators are currently required to use a technique
may be authorized outside the service are There are many methods of delivery of pastellite, Internet streaming, ISDN, fram is no reason for regulation of the method some public interest.	ose of this restriction, as I understand it, is to limit the distance that an FM translator ea of the originating full service FM station. orogramming from the primary station and the translator, including direct-off-air, e relay, private microwave, aural intercity relay, piggyback on video STL, etc. There I of delivery of the primary station signal to the translator unless it is required to meet sequences unrelated to the intention of the rule:
works well the IBOC signal cannot be re is no way to regenerate off air digital sig 2) The quality of retransmission is reduce protection filters. This provides a low 3) Third, the quality of the retransmission multipath flutter, temperature inversion 4) Long established translator service can be recommended as a constant of the retransmission multipath flutter, temperature inversion 4.	teed by the artifacts of the link receiver, low signal strength and adjacent channel wer quality service to FM translator listeners. In is reduced in quality and reliability by variable propagation effects, such as aircraft ons and tropospheric ducting. In be lost when new or changed full service stations interfere with the input of the
translator that can no longer receive to 5) Low Power FCC Part 15 devices cause occurs, the XM Satellite radio, Sirius station for short periods. 6) I expect that capture of FM translator for a tower, avoid breaking current F present rules there is no way to sanction or her in writing. ²	ble. This is counter to public interest when established listeners lose service from a he primary station, but could easily receive it by other means. See interference to the translator inputs and also "capture" the translator. When capture Satellite radio or CD player in cars passing by replace the program of the primary so will be a new way for pirate radio operators to broadcast without having to pay rent CC rules and acquire an instant audience – the audience of the translator. Under the on such a pirate, and no method to silence such a pirate before the FCC notifies him
retransmission. 8) FM translators may be precluded from geographical obstructions may block coverage of the target area. Calvary Chapel of Twin Falls, Inc. et al. operating in the non-reserved band be performed by the precluded from the pr	nannel or first adjacent channel primary stations when using direct over the air in using the best sites to provide the desired coverage because terrain shielding or other the signal from the primary station at the location that would provide optimal has filed a petition for rulemaking, RM-10609 proposing that FM Translators ermitted signal delivery by satellite. I recommend that RM-10609 be consolidated tance satellite delivery is closely related to the localism issue. I agree with Calvary
that the method of delivery of the signal perspective. The only issue that the FCC repeating a given primary station to the a reasonable set of geographic, cultural a translators. L) CONVERTING FM TRANSLATO	from the primary station to the translator is not important from a regulatory a should concern itself with in this relation is whether the public interest is served by service area of each specific translator. I have detailed above my recommendations on and economic relations between the service area of a primary station and its
technical requirements are met, I propos same location. Where the need for local LPFM service the use of the FM frequency resource sh interest. I do not think that it would be desirable	e that an FM translator may be converted by application to an LPFM station at the exceeds the need for an FM translator in an area, and the other requirements are met, ould be able to be changed with a minimum of effort. This is clearly in the public for LPFM stations to be permitted to change to FM translators in this manner.
consumer gets identical benefit from bot an interference ridden, small night service with a small night service area is the onl community.	Froduct of an AM station and an FM station, as far as the listener is concerned. The ch classes of Aural Service. The class B, C and D stations are however hampered by the area. In many communities a class C or D station with only a tiny, or class B station by transmission service. Many AM stations provide the only truly local voices in their B, C and D AM stations to be repeated on a FM translators within the AM station's
daytime protected contour. It is only fa service within the bounds of good engin Permitting FM translators to translate A service to their communities, and serve have no local service at night. I also suggest that the geographical, econ	ir, and clearly in the public interest that these communities can have the best available
fostering localism in broadcasting. N) THIRD ADJACENT CHANNEL FM TRANSLATORS The record is perfectly clear that low po	PROTECTION BY LPFM, NONCOMMERCIAL EDUCATIONAL FM AND wer FM transmissions cause negligible interference to full service FM stations. I channel protection to any station operating in the FM band be eliminated for any
full service Noncommercial Educational by their very nature provide a high likeli Since the potential for interference is on	the public interest. It will permit many additional LPFM stations and some additional FM stations in areas needing local service. The small coverage of these stations will hood of providing true local service. ly related to the ERP of the station, this elimination of third adjacent channel na height, as any potential for interference decreases by raising the antenna further Conclusion
metrics of Geography, Interest Group, M. Consolidation, not only in the broadcast stifle creativity and raise the specter of r. this monopoly power because the smaller	ed by a different yardstick than is currently used. My propose yardstick comprises Market area and Protected Service area of the station. marketplace, but in film, performance venues and other electronic media threaten to nonopoly power. Encouraging smaller community based media outlets will counteracter outlets are uneconomical for large entities to manage.
ABOUT, developed WITHIN, FOR USI Political broadcasts are of limited value political advertisement sold one minute programming.	eds to be viewed with a multidimensional focus. Programming is local if it is E IN, fosters COMMERCE, or supports PUBLIC SAFETY of a community. if they consist of only sound bites. I recommend that for every four minutes of should be banked for debates or other noncommercial program length political is nearly impossible to cure. The advent of program placement in movies which are f concern.
advertisement adjacent to and within located that there is a real economic foundation Conversion of Class D Noncommercial use of spectrum and decrease the cost of LPFM Stations should be permitted to b	ave stated many positions: LPFM stations should be permitted to have limited cally produced programming, as should Noncommercial Educational FM Stations so for truly local well produced programming. Educational FM stations to LPFM stations would appear to be a way to optimize the administering these grandfathered stations. The translated by FM translators, but because of their intensely local focus, have more lator may be from the LPFM station than from a full service FM station.
Permitting FM translators to originate or cause of localism. Setting specific Geographic, Economic a essential. FM translators should not pro Once limits on the location of translators	and interest criteria on the location of an FM translator relative to the primary station is vide national service. XM Satellite and Sirius provide this service.
program delivery from the primary static be permitted. Direct off air delivery lim Rulemaking RM-10609 should be conso Where technically feasible, FM Translat should be able to convert the FM Transl Class B, C and D AM stations should be only source of local programming and the	on to the translator. Satellite, Internet, ISDN, microwave and direct-off-air should all its the reliability and quality of the FM translator signal and should not be required. Its blidate with this proceeding. Or owners who meet the ownership requirements for LPFM stations, an FM Translator ator to an LPFM station by application. The allowed to be the primary stations for FM translators. These stations often are the new do not provide service to their entire daytime service area at night. Full time
service to communities is required, and there should be no segregation of the Aural services as far as access to translators. Respectfully Submitted, Ellwall Scholer	
Edward A. Schober, PE Haddon Heights, NJ	
interest is whether the programming of the proposer state college station may be of great in that is duplicated by another station in the tra	
2 A radio pirate" can assemble a complete star device, some rechargeable batteries and a sol Radio Shack. This assembly can be hidden a programming of the primary station with that such a device could broadcast a pirate maniformules indicates that such a "Pirate" operation	tion to hijack a translator from a battery powered mp3 player, a Part 15 authorized FM broadcasting lar battery for under \$100. All components for this device are available at Best Buy, Circuit City and within several hundred meters of an FM translator and "capture" the over the air pickup replacing the of the "pirate". A single CD-R will provide up to three days of programming unattended. With a timer esto for weeks before discovery if the device were sufficiently well hidden. My reading of the part 15 would be completely compliant with the regulations until the operator is notified by mail by the FCC we is discovered and removed, it is inexpensive enough that a "Pirate" could replace it at will.